

10/576074

IAP15 Rec'd PCT/PTO 14 APR 2006

Docket No.: 4590-515

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of :  
Mane-Si Laure LEE et al. : Confirmation No. n/a  
U.S. Patent Application No. *not yet assigned* :  
Filed: *herewith* :

For: DIFFRACTIVE BINARY OPTICAL ELEMENT FOR USING IN A LARGE SPECTRAL RANGE

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached form PTO-1449. It is respectfully requested that the documents be expressly considered during the prosecution of this application, and that the documents be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed with the application and no certification or fee is required.

Please note this is a PCT application in the entry of the National Phase in the U.S. and copies of the references cited were transmitted by WIPO and are believed to be in the file of the above-identified application and readily available to the Examiner. Therefore it is believed that Applicants have met all requirements regarding duty of disclosure under 37 CFR 1.56. A copy of the foreign search report is attached for the Examiner's information. Acknowledgement and consideration of these documents are respectfully requested.

Respectfully submitted,

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<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION (PTO-1449)</b>				ATTY. DOCKET NO. 4590-515		U.S. APPLICATION NO. Not yet assigned	
				APPLICANT Mane-Si Laure LEE et al.			
				FILING DATE herewith		GROUP	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE	
<b>FOREIGN PATENT DOCUMENTS</b>							
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						Yes	No
<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
	F.T. Chen: "Diffraction phase elements based on two-dimensional artificial dielectrics" vold 20, no.2, January 15, 1995, pages 121-123, page 122						
	MAIT J N et al: "Design of binary subwavelength diffractive lenses by use of zeroth-order effective-medium theory" Journal of the Optical Society of Ameirca. A, Optics and Image Science, vol. 16, no. 5, 1999, pages 1157-1167						
	Lalanne P et al: "Design and fabrication of blazed binary diffractive elements with sampling periods smaller than the structural cutoff" Journal of the Optical Society of America. A, Optics and Image Science, vol. 16 No. 5, May 1999, pages 1143-1156						
	Lalanne P et al: "Blazed Binary Subwavelength Gratings with Efficiencies Larger Than Those of Conventional Echelette Gratings" Optics Letters, Optical Society of America, Washington US vol. 23, no. 14 July 15, 1998, pages 1081-1083.						
EXAMINER				DATE CONSIDERED			

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.